



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of:

Farzan, *et al.*

Appl. No.: 10/772,089

Filed: February 5, 2004

For: **Peptides Binding gp120 of HIV-1**

Art Unit: to be assigned

Examiner: to be assigned

Atty. Dkt.: 7570/80968

**Information Disclosure Statement**

Commissioner of Patents  
U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window, **MS Missing Parts**  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

Sir:

Submitted herewith is a listing of documents known to Applicants and/or their attorney in compliance with the requirements of 37 C.F.R. § 1.56. Copies of the listed documents are also enclosed.

Applicants do not waive any rights to appropriate action to establish patentability over any of the listed documents should they be applied as references against the claims of the present application. This statement should not be construed as a representation that more material information does not exist or that an exhaustive search of the relevant art has been made.

Consideration of the cited documents and making the same of record in the prosecution of the above-captioned application are respectfully requested.

Applicants do not believe any fees are due for the submission of this Information Disclosure Statement. However, the Commissioner is hereby authorized to charge any fee deficiency to our Deposit Account No. 06-1135 under Order No. 7570/80968.

Respectfully submitted,

FITCH, EVEN, TABIN & FLANNERY

By



Michael A. Sanzo

Reg. No. 36,912

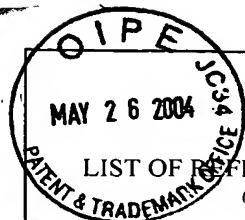
Attorney for Applicants

Date May 25, 2004

1801 K Street, N.W., Suite 401L

Washington, DC 20006-1201

Phone: (202) 419-7013



# LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

Atty. Docket No.: 7570/80968

Appl. No.: 10/772,089

Applicant(s) Farzan, *et al.*

Filing Date: February 5, 2004

Group: to be assigned

Examiner  
Initial

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

- |      |   |
|------|---|
| C 1  | BERGER, "HIV Entry and Tropism: The Chemokine Receptor Connection," <i>AIDS 11(Supp. A):S3-S16</i> (1997).  |
| C 2  | COLE, <i>et al.</i> , "Characterization of Neutralization Epitopes of Simian Immunodeficiency Virus (SIV) Recognized by Rhesus Monoclonal Antibodies Derived from Monkeys Infected with an Attenuated SIV Strain," <i>Virology 290:59-73</i> (2001).                        |
| C 3  | CORMIER, <i>et al.</i> , "Specific Interaction of CCR5 Amino-Terminal Domain Peptides Containing Sulfotyrosines with HIV-1 Envelope Glycoprotein gp120," <i>Proc. Natl. Acad. Sci. USA 97:5762-5767</i> (2000).   |
| C 4  | DENG, <i>et al.</i> , "Identification of a Major Co-Receptor for Primary Isolates of HIV-1," <i>Nature 381:661-666</i> (1996).  |
| C 5  | DORANZ, <i>et al.</i> , "Chemokine Receptors as Fusion Cofactors for Human Immunodeficiency Virus Type 1 (HIV-1)," <i>Immunologic Research 16:15-28</i> (1997).   |
| C 6  | DRAGIC, <i>et al.</i> , "HIV-1 Entry into CDR <sup>+</sup> Cells Is Mediated by the Chemokine Receptor CC-CKR-5," <i>Nature 381:667-673</i> (1996).   |
| C 7  | FARZAN, <i>et al.</i> , "A Tyrosine-Rich Region in the N Terminus of CCR5 Is Important for Human Immunodeficiency Virus Type 1 Entry and Mediates an Association between gp120 and CCR5," <i>J. Virol. 72:1160-1164</i> (1998).   |
| C 8  | FARZAN, <i>et al.</i> , "Tyrosine Sulfation of the Amino Terminus of CCR5 Facilitates HIV-1 Entry," <i>Cell 96:667-676</i> (1999).  |
| C 9  | FARZAN, <i>et al.</i> , "A Tyrosine-Sulfated Peptide Based on the N Terminus of CCR5 Interacts with a CD4-Enhanced Epitope of the HIV-1 gp120 Envelope Glycoprotein and Inhibits HIV-1 Entry," <i>J. Biol. Chem. 275:33516-33521</i> (2000).                                |
| C 10 | FOUTS, <i>et al.</i> , "Neutralization of the Human Immunodeficiency Virus Type 1 Primary Isolate JR-FL by Human Monoclonal Antibodies Correlates with Antibody Binding to the Oligomeric Form of the Envelope Glycoprotein Complex," <i>J. Virol. 71:2779-2785</i> (1997). |
| C 11 | HO, <i>et al.</i> , "Conformational Epitope on gp120 Important in CD4 Binding and Human Immunodeficiency Virus Type 1 Neutralization Identified by a Human Monoclonal Antibody," <i>J. Virol. 65:489-493</i> (1991).  |
| C 12 |   |
| C 13 |   |
| C 14 |   |
| C 15 |   |
| C 16 |   |
| C 17 |   |
| C 18 |   |

Examiner

Date Considered